

Tomas Jankauskas

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EXPERIENCE

AI Developer · *Hostinger International*

Remote / Lithuania · Oct 2025 – Jun 2026

- Pioneered company-wide adoption of Model Context Protocol (MCP) by designing Python-based tools and contributing to an NLP-driven chatbot (Kodee), automating and deflecting 68% of routine customer support interactions across 4.6M global users, supporting initiatives that yielded €9M in annual operational savings.
- Co-engineered a high-concurrency WordPress AI Site Builder and onboarding wizard that automated theme selection and content generation for native Gutenberg and Elementor environments, optimizing setup for over 500,000 new WordPress installations.
- Built a high-performance prototype for an AI plugin builder for WordPress, enabling non-technical users to generate native, fully customizable PHP plugins in under 60 seconds; presented the MVP at CloudFest Hackathon 2026.
- Improved downstream API resilience and uptime of internal AI tools by engineering an adaptive Python-based circuit breaker tracking rolling failure rates against dynamic, endpoint-specific latency thresholds.
- Reduced API formatting exceptions and structured validation failures from 18% to <0.5% in production pipelines by replacing free-form text configurations with structured JSON outputs enforced via strict Pydantic schemas.
- Optimized the continuous delivery release cycle of WordPress plugins, replacing a twice-weekly manual deployment pipeline with a single-click GitHub Actions workflow that saved 16 developer hours per week (96% process time reduction).
- Reduced incident response time (MTTR) by 75% through automated Slack–Grafana alerts, improving user experience and system reliability.
- Spearheaded multi-locale A/B text experimentation by building custom MCP servers integrating Amplitude telemetry with live UI adjustments, letting non-technical content teams deploy and track localized copy variations from Claude Desktop.
- Supported internal R&D knowledge transfer by presenting on NLP and agentic architectures at the engineering division's weekly technical sessions.

Senior Frontend Developer · *Hostinger International*

Kaunas, Lithuania · Mar 2021 – Oct 2025

- Optimized core web properties using NuxtJS, lazy rendering, and advanced browser caching, achieving top-tier Core Web Vitals (LCP <1.2s) that secured a market-leading speed rank and contributed to a 15% expansion in organic search traffic.
- Designed and implemented hPanel customer onboarding interfaces using Vue 3, contributing to a 20% relative increase in user registration conversion across 4.6M active clients.
- Created a headless, localized CMS panel empowering non-technical localization teams to self-serve content changes across 40+ domains in 17 languages, eliminating developer intervention for standard updates.
- Engineered an AST-based Python refactoring script that automatically parsed and migrated 1,000+ hardcoded English frontend files into i18n translation slugs in under 3 minutes, saving 80+ hours of manual labor.
- Served as the main frontend engineer for the initial "Web Pro" platform release, designing and implementing the administration dashboards that captured significant advanced-user traffic in its first fiscal quarter.
- Won 2nd place in the company-wide Hackathon by designing an AI-driven chatbot prototype with direct Model Context Protocol connections to WordPress core databases, laying groundwork for future agentic products.
- Co-led technical hiring and engineering standards by conducting 30+ frontend and systems interviews, designing interview rubrics, and scaling the engineering division.

Frontend Developer (ReactJS) · *Agmis*

Vilnius, Lithuania · Dec 2020 – Mar 2021

- Engineered a high-performance cross-platform mobile app using React Native, reducing layout rendering latency by 22% through aggressive code splitting, virtualized lists, and automated image compression.
- Redesigned public-facing web applications using React and TypeScript, implementing responsive CSS Grid layouts and async routing that expanded average session duration by 12%.
- Established type-safety guidelines and code-quality checks across teams, achieving a 30% reduction in production runtime exceptions via strict TypeScript compiler options and ESLint.

Frontend Developer (ReactJS) · Udentity

Shanghai, China · Oct 2019 – Dec 2020

- Developed a real-time live chat and collaborative group-messaging application from scratch using WebSocket connections, driving a 35% increase in active student-to-university engagement during virtual education fairs.
- Integrated Google and Baidu Maps APIs with custom React components, facilitating interactive multi-regional campus navigation and data visualizations for 100,000+ event participants.
- Deployed an AI-powered translation and billing engine to resolve multilingual data discrepancies, automating normalization and translation of thousands of academic records.
- Designed and deployed a highly interactive WeChat Mini-Program from scratch, using optimized local API-fetching and asset delivery to capture 40% MoM growth in regional mobile users.
- Automated academic marketing pipelines with Python-based Scrapy and BeautifulSoup microservices that collected, cleaned, and structured regional telemetry into behavioral reports.
- Ensured 99.9% availability during high-traffic virtual events by writing emergency server-monitoring scripts, cloud-based rate limiters, and real-time troubleshooting routines.

Frontend Developer (Angular / Internship) · Overhand Fitness

Shanghai, China · Apr 2019 – Sep 2019

- Transformed a legacy AngularJS fitness management system into an offline-first Progressive Web App (PWA), improving mobile rendering speeds by 45% and driving a 20% increase in daily active logging.
- Coordinated a cloud infrastructure migration from Microsoft Azure to AWS CloudFront and S3, reducing static asset delivery times by 30% and hosting costs by 15%.
- Resolved 120+ cross-device UI rendering bugs by auditing raw CSS, refactoring to responsive CSS Flexbox, and standardizing regression testing.

Software Developer (Internship) · Coderbunker

Shanghai, China · Dec 2018 – Apr 2019

- Contributed to an Android navigation app for the Shanghai Metro, enabling passenger proximity tracking and in-carriage location estimation via localized MAC-address lookup arrays.
- Co-led the visual redesign and development of coderbunker.com, migrating to a headless CMS and structured content editors that accelerated non-technical publishing speed by 50%.

Laboratory Assistant (Semiconductors) · Center for Physical Sciences and Technology (FTMC)

Vilnius, Lithuania · 2014 – 2016

- Investigated efficiency droop in InGaN/GaN materials; performed photoluminescence and absorption measurements and quantitative statistical analysis of experimental spectra.

Researcher Intern (Biophysics) · VU Amsterdam

Amsterdam, Netherlands · Sep 2015 – Feb 2016

- Designed a numerical model for in-vivo mechanical tissue imaging that became the group's framework.

SKILLS

Programming Languages: Python (PyTorch, Scrapy, BeautifulSoup, Pydantic), JavaScript (ES6+), TypeScript, Java, C++, SQL, HTML5, CSS3, MATLAB

AI & Data Engineering: Model Context Protocol (MCP), LLM APIs, Structured Output Validation, Vector Search (FAISS, Chroma), RAG, Prompt Engineering, CI/CD Translation Automation

Frameworks & Libraries: VueJS (Vue 3, NuxtJS), React (React Native, Redux), AngularJS, Node.js, Socket.io, Express, WeChat Mini-Programs

Cloud, Databases & Tools: AWS (S3, CloudFront), Microsoft Azure, Git, GitHub Actions, PostgreSQL, MongoDB, Redis, Grafana, Slack API

EDUCATION

M.S. Data Science (MSDS), Columbia University

Sep 2026 – Dec 2027 (Expected)

M.S. Computer Science and Technology, Donghua University

B.S. Applied Physics / Engineering Physics, Vilnius University

Top 15% GPA · Erasmus, VU Amsterdam